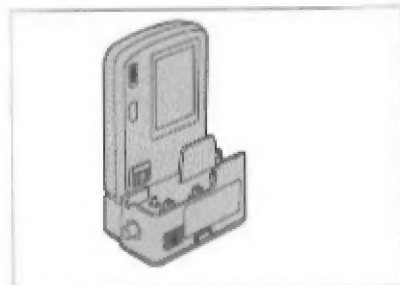


1.8" Color LCD Viewfinder

## *Operating Instructions*

Model No. **KXL-D50**

Option for KXL-600A Digital Camera



Please read these instructions completely before use. Keep this document in a safe place for future reference.

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## **Introduction**

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**Thank you for purchasing the Panasonic 1.8" Color LCD Viewfinder.**

The Color Viewfinder features:

- High Resolution Color LCD Viewfinder
- Easily connects to the KXL-600A Digital Camera
- Ability to preview images
- Displays stored images
- Adjustable viewing angle

Refer to the KXL-600A Operating Instructions for information on viewing and deleting images.

The 1.8" Color LCD Viewfinder is abbreviated to LCD in this manual.

## Accessories

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Make sure that the following items are included with the LCD.  
If anything missing, contact your dealer immediately.



"AAA" Size Alkaline  
Batteries (4)



Operating Instructions



Warranty Card

## Precautions

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### General

- If the LCD is not working properly, refer to the operating instructions. If the unit appears to be damaged, do not attempt further use and contact an Authorized Panasonic Service Center.
- Do not touch the inside of the camera holder with your fingers or any object that may result in damage to the camera. Do not force the LCD into the camera holder or tamper with the connector jack.
- Close the LCD when not in use to prevent accidental damage.
- When unlocking on the camera holder, hold both the camera and the LCD tightly.
- Keep magnetic objects away from the camera.
- When the camera has been moved from a cold place to warm place, it may become damp or moist. Leave the camera for one hour before using.
- If noise is heard from radio or TV, move the camera 2 m (about 6 ft.) away from the radio or TV.
- Do not swing around only holding the wrist strap or the LCD with installed to the camera.
- Do not disassemble the camera.
- Do not repair yourself.
- Do not drop the camera.

### General

- Do not subject to intense vibration.
- Do not expose the camera to water or excessive heat.
- Be sure that the LCD is closed when using the wrist strap. (The LCD is in the closed position when folded up next to camera.)
- Before inserting or removing the memory card from the camera, detach the LCD from the camera first.
- Before attaching the optional tripod adapter to the camera, detach the LCD from the camera first.

### Preventing Damage Caused by Static Electricity

- To prevent the connector jack from *static electricity damage*, before you touch it, discharge any static electricity from your hands by touching a grounded metal surface, such as the screw on the plate cover of an electrical outlet.

### Operating Conditions

- Store the camera in a clean, dry place.
- Do not use the camera in inclement weather (rain or snow) or under any conditions when moisture may be evident.

## Precautions

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### Alkaline Batteries

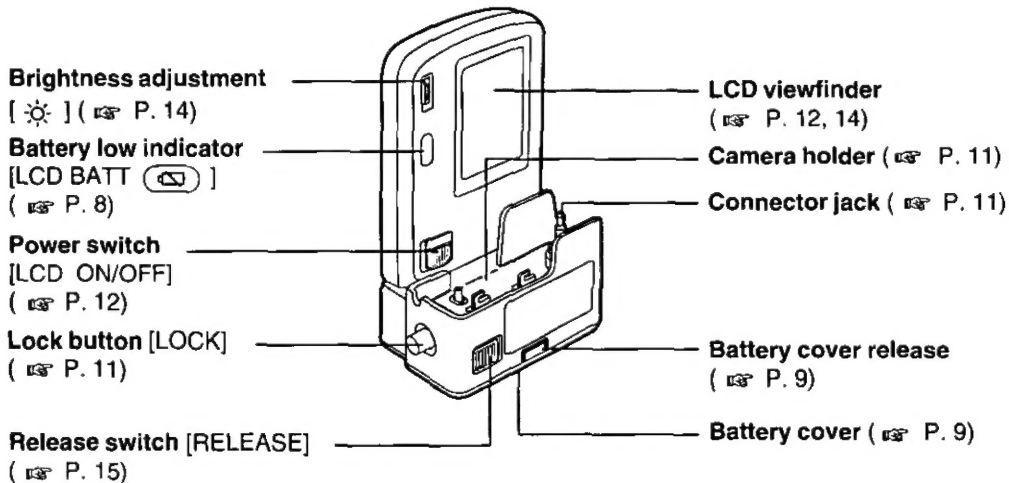
To avoid the leakage or corrosion, observe the followings. If leakage or corrosion occurs, replace the batteries immediately with fresh ones.

- Install batteries as indicated in the operating instructions.
- Do not charge, short-circuit, disassemble, heat, or dispose of batteries in fire.
- Remove the batteries as soon as they are used up.
- Use only "AAA" size alkaline batteries. (Do not use manganese or rechargeable batteries.)
- Make sure the polarity (+, -) matches the diagram inside the camera.
- Do not install used batteries with new batteries. Do not mix any other kind of batteries with alkaline batteries.
- Remove all batteries when the camera is not in use for extended periods.

## Before You Begin

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Before you begin using the LCD, please familiarize yourself with the following part names:

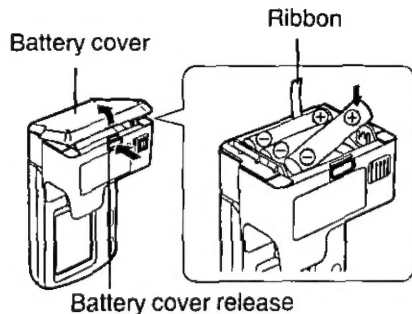


## Battery Installation

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### Please note the followings:

- When the battery low indicator on the LCD viewfinder is illuminated, battery replacement is recommended. If using in succession, as it is, power is off automatically.
- If using the optional AC adapter, power will be supplied to both the camera and the LCD. Battery power will not be drained when the AC adapter is in use.
- If the batteries are used at a temperature below about 10°C {50°F}, battery power may be deteriorated momentarily. Please warm the camera and the LCD putting it inside your clothes etc. so that it can be used.



**Use only “AAA” size alkaline batteries.** (Do not use manganese or rechargeable batteries.)

- 1 Press the Battery cover release to remove the battery cover.**

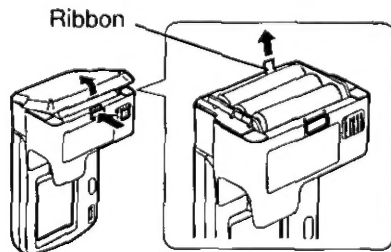


- 2 Install the included four (4) "AAA" size alkaline batteries placing the red ribbon underneath them.

Place the red ribbon under the battery located underneath. The ribbon allows the batteries to be removed easily when replacement becomes necessary.

- 3 Replace the battery cover securely for proper LCD operation.

### ■ Removing the Batteries:



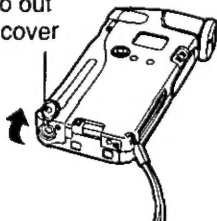
- 1 Press the battery cover release to remove the battery cover.
- 2 Pull the red ribbon in an upward direction to remove the batteries.

## Attaching the LCD to Camera

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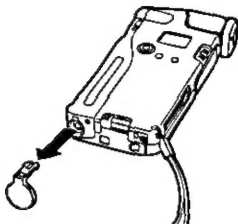
Turn off the power on the LCD and the Camera.

Video out  
jack cover



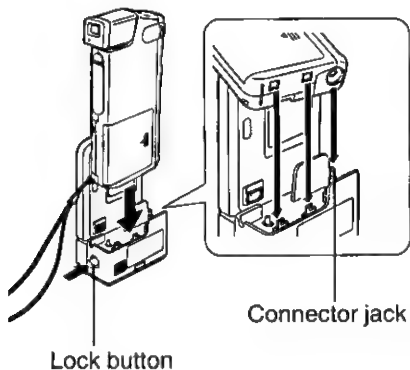
- 1 Remove the video out jack cover from the bottom of the camera by pulling gently up on the rubber cover.**

Open the video out jack cover with a pointed object such as a ball point pen.



### **Please note the following:**

- Store the video out jack cover in a secure place.  
We recommend that you replace the video out jack cover when operating the camera without the LCD. Replacing the cover will prevent foreign objects from entering the connector.



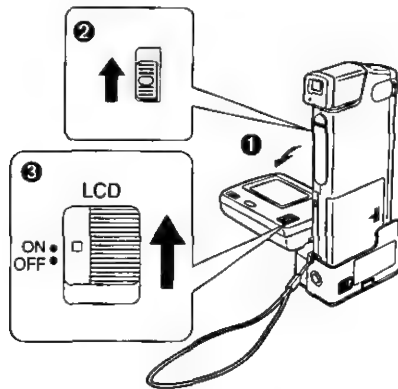
- 2 Align the connector jack on the camera holder with the video connector jack. Gently press the camera into position.**
- 3 Push the lock button until it clicks while the camera is pressed.**

**Please note the followings:**

- The lock button will not engage if the camera is not inserted into the LCD properly.
- Be sure that the wrist strap is clear of the camera holder area before inserting the LCD.

## Powering on the LCD

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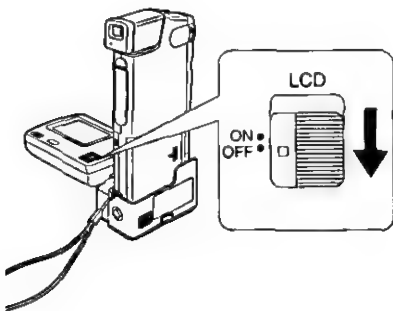


- 1 Open the LCD. (The LCD is in the open position when folded away from the camera.)
- 2 Turn the camera power on.
- 3 Turn the LCD power on.

### **Please note the followings:**

- When using the camera's optical viewfinder, turn the LCD power off to conserve battery power.
- When the camera power goes off, the LCD automatically powers off.
- When the camera power is off, the LCD power cannot be turned on.
- The LCD can be leaned by 90° toward the camera.

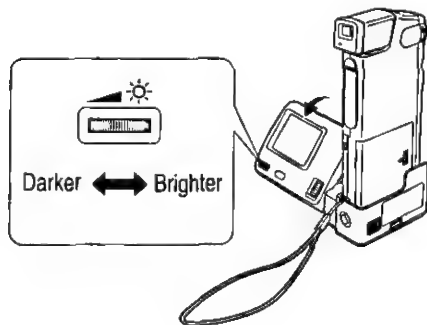
### ■ Turning the LCD power off:



- 1 Slide the power switch downward to power off the LCD.

## Adjusting the LCD

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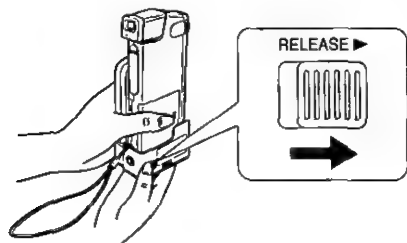
- 1 Adjust the angle by rotating the LCD up to 180° forward and up to 45° backward.
- 2 Adjust the brightness by rotating the brightness adjustment left (darker) to right (brighter) until desired viewing is achieved.

The LCD viewfinder is sometimes difficult to view in bright light, you may choose to use the camera's optical viewfinder in some situations.

## Detaching the LCD from Camera

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Turn off the power on the LCD and the camera.



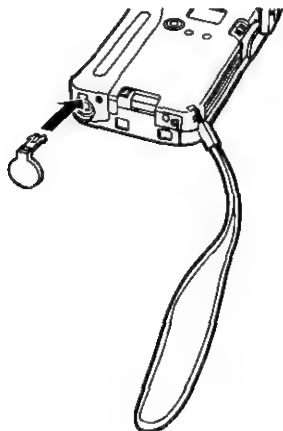
- 1 Slide the release switch in the direction of the arrow. The lock bottom will pop out.**
- 2 Carefully remove the camera from the camera holder.**

**Please note the following:**

- When unlocking on the camera holder, hold both the camera and the LCD tightly with your hands.

## Detaching the LCD from Camera

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- 3 Install the video out jack cover to the bottom of the camera.

**Please note the following:**

- Memory card removal is more convenient when the LCD is detached from the camera.



## LCD Maintenance

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### **Clean the LCD with a soft, dry cloth only.**

A gentle cleaner used with a soft cloth designed for cleaning electronic devices may be used in cases where the camera and the LCD has an excessive built up of dirt.

### **Please note the followings:**

- Never wash or submerge the LCD or camera in water.
- Never use harsh solvents such as benzene, paint thinner or alcohol to clean the LCD or camera. Severe damage to the LCD or camera may occur. Consult your reseller for cleaning product recommendations.

## Troubleshooting

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Problem	Possible Cause	Solution
Cannot attach camera	Lock button pushed.	Slide the release switch ( P. 15).
No Image	Batteries are not installed correctly.	Install the batteries correctly ( P. 8).
	Camera or LCD power off.	Power on Camera and LCD ( P. 12).
	Camera is not properly attached to LCD.	See page 10 for proper installation.
	Low or no power from batteries.	Replace with fresh alkaline batteries ( P. 8).
	Brightness adjustment is not set properly.	See page 14 for proper brightness adjustment.
Unclear Image	Brightness adjustment is not set properly.	See page 14 for proper brightness adjustment.
	The sunlight reflects on the LCD viewfinder.	Adjust the angle of the LCD to avoid reflection.

## Specifications

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<b>Display</b> *1	1.8 inch TFT color LCD      61,380 pixels
<b>Light Source</b>	Backlight (built-in fluorescent light)
<b>Battery Life</b> [at 20°C (68°F)]	When using Panasonic "AAA" size alkaline batteries continuously Approx. 60 minutes
<b>Power Source</b> *2	Alkaline "AAA" size batteries (4)
<b>Dimensions</b>	109 (H) mm × 49 (D) mm × 68 (W) mm {4.29" × 1.93" × 2.68"}
<b>Mass (Weight)</b>	Approx. 155 g {0.342 lb.} (without batteries)
<b>Operating Environment</b> (under no damp or moist conditions)	Temperature: 0°C {32°F} to 40°C {104°F} Humidity: 20% to 80% RH
<b>Storage Environment</b> (Non-condensing)	Temperature: -20°C {-4°F} to 55°C {131°F} Humidity: 15% to 85% RH

\*1 The LCD is high resolution of more than 99.99% functionable pixels, however less than 0.01% pixels do not always function normally.

\*2 If the camera is used with the optional AC adapter, the power will be supplied from the AC adapter.

Specifications are subject to change without notice.

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